

FIG. 1A

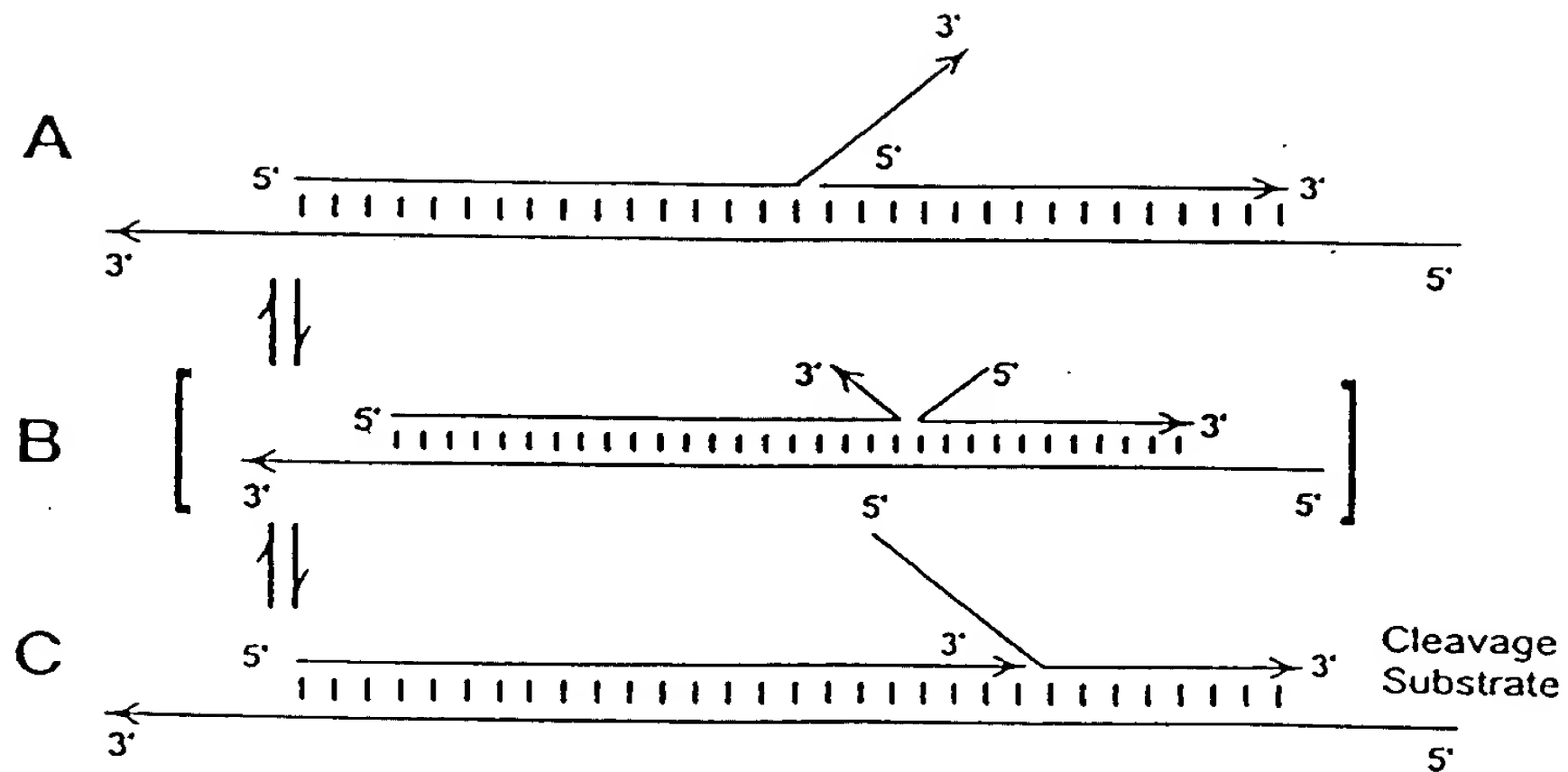
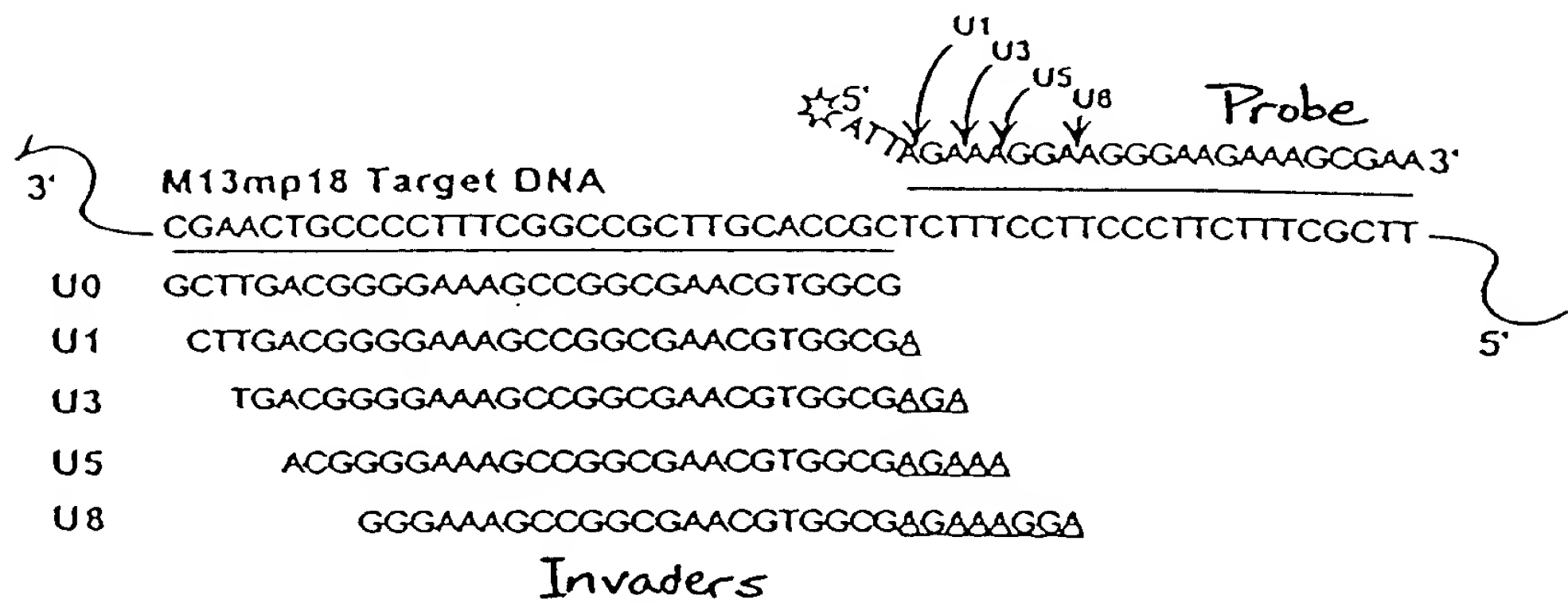
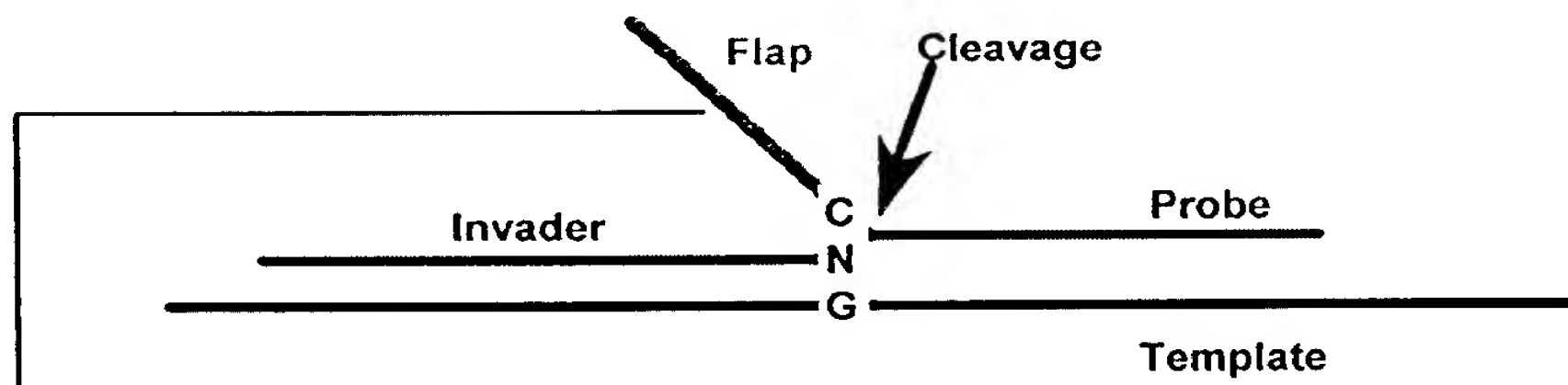


FIG. 1B

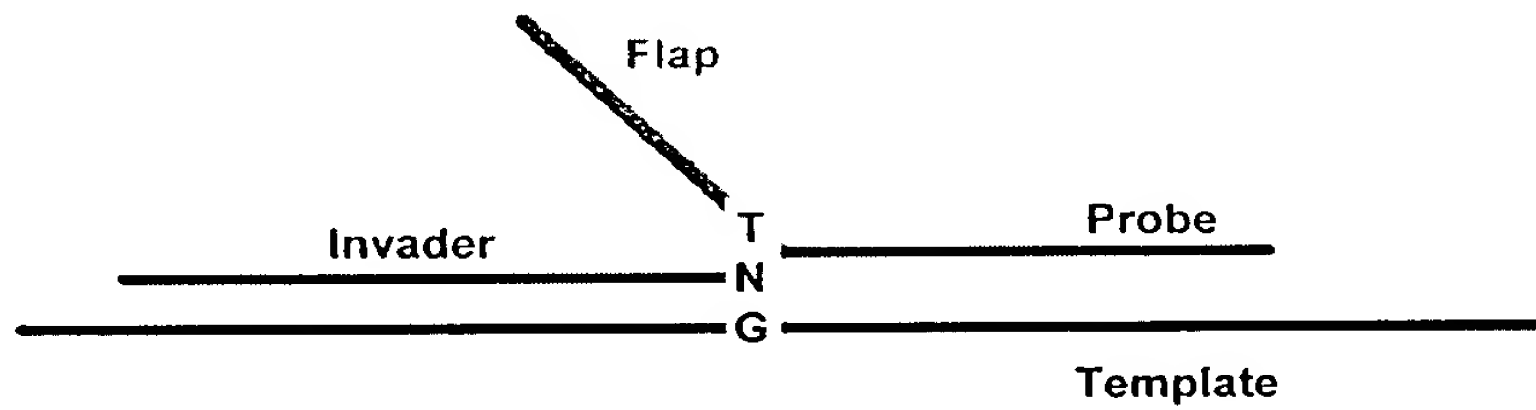


**FIG. 2**

**Primary Invader Reaction**

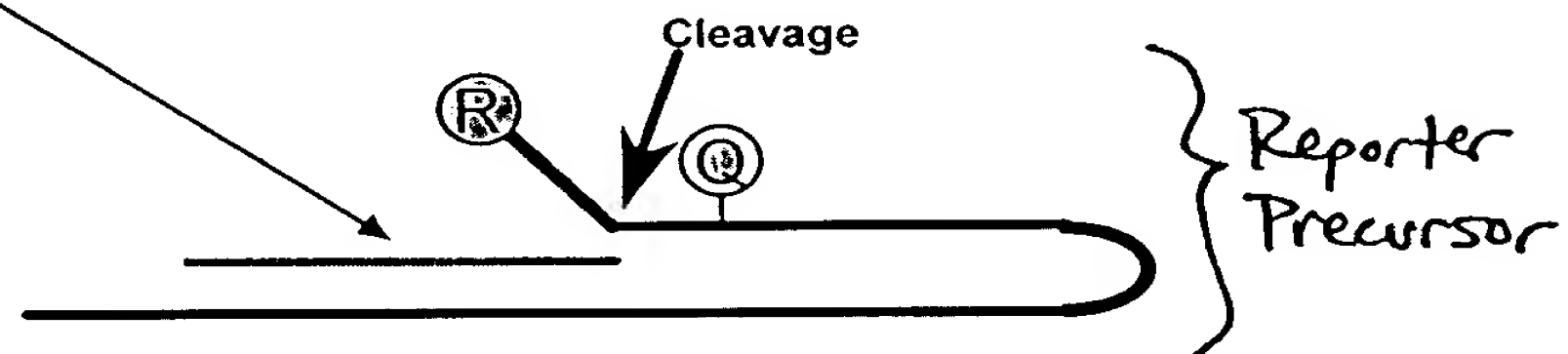


Cleavage because Invader disrupts duplex between Template and Probe



No cleavage because no disruption of base pairs between Template and Probe

**Secondary Invader Reaction**



Flap from Primary Invader Reaction becomes Invader for Secondary Reaction.  
Cleavage liberates Reporter from Quencher, thus generating fluorescent signal.

# FIG. 3

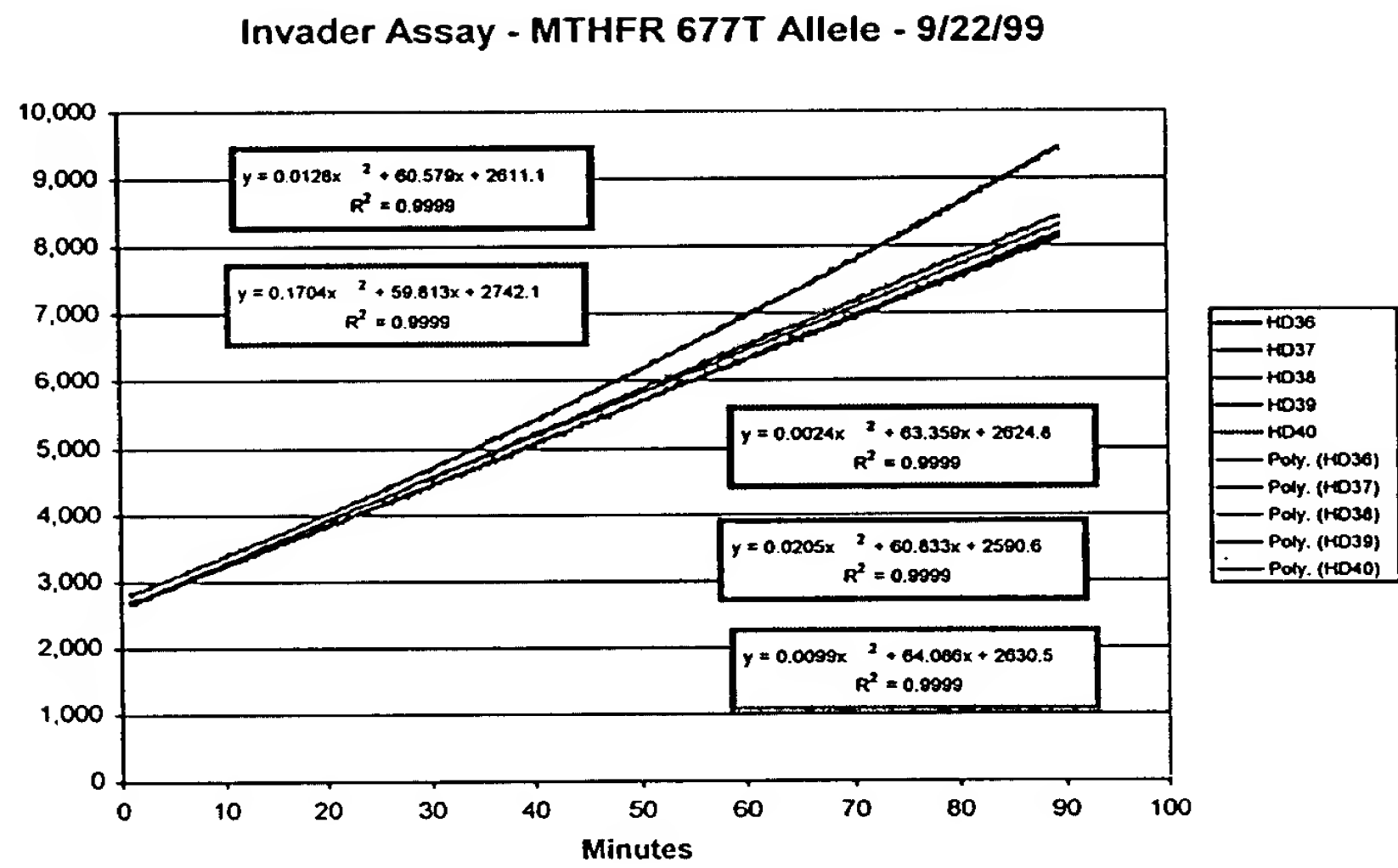


FIG. 4

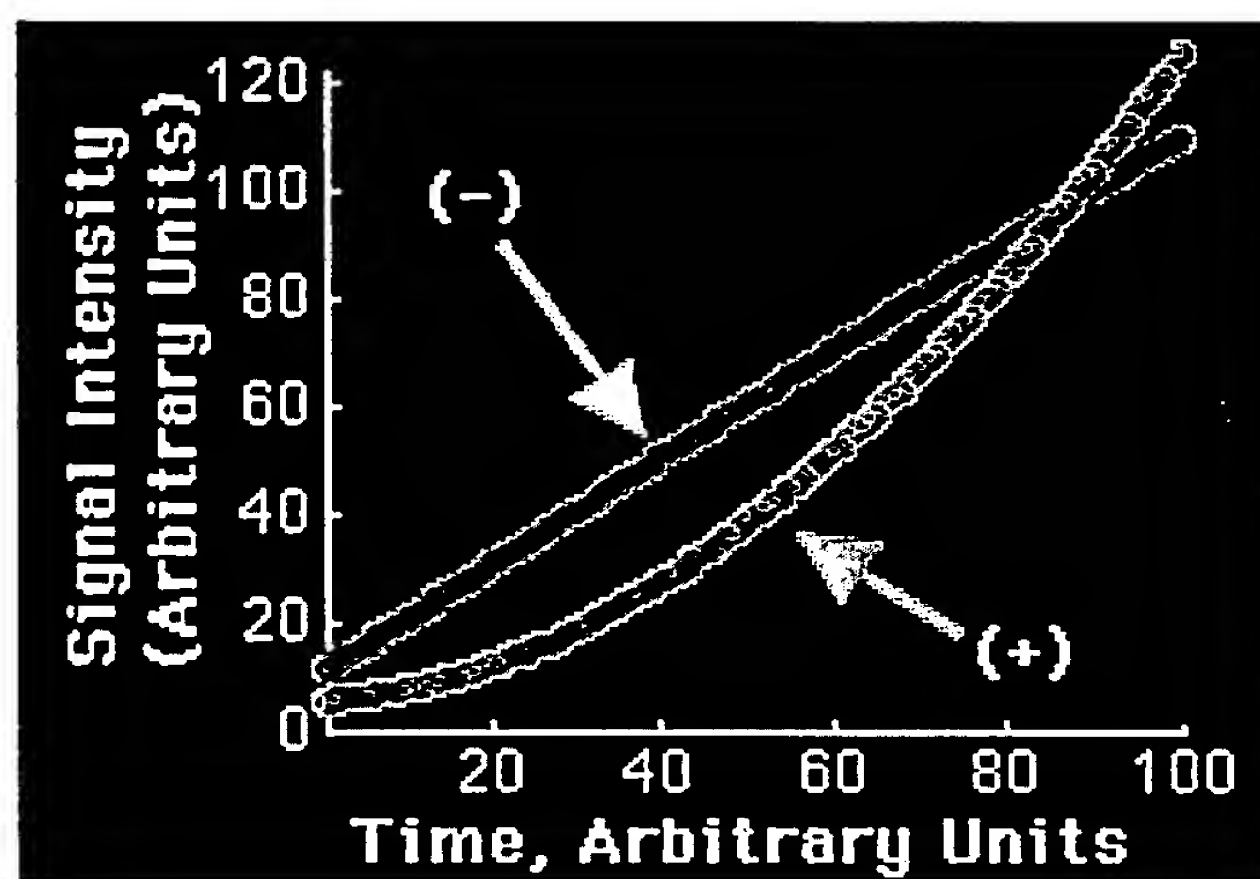


FIG. 5

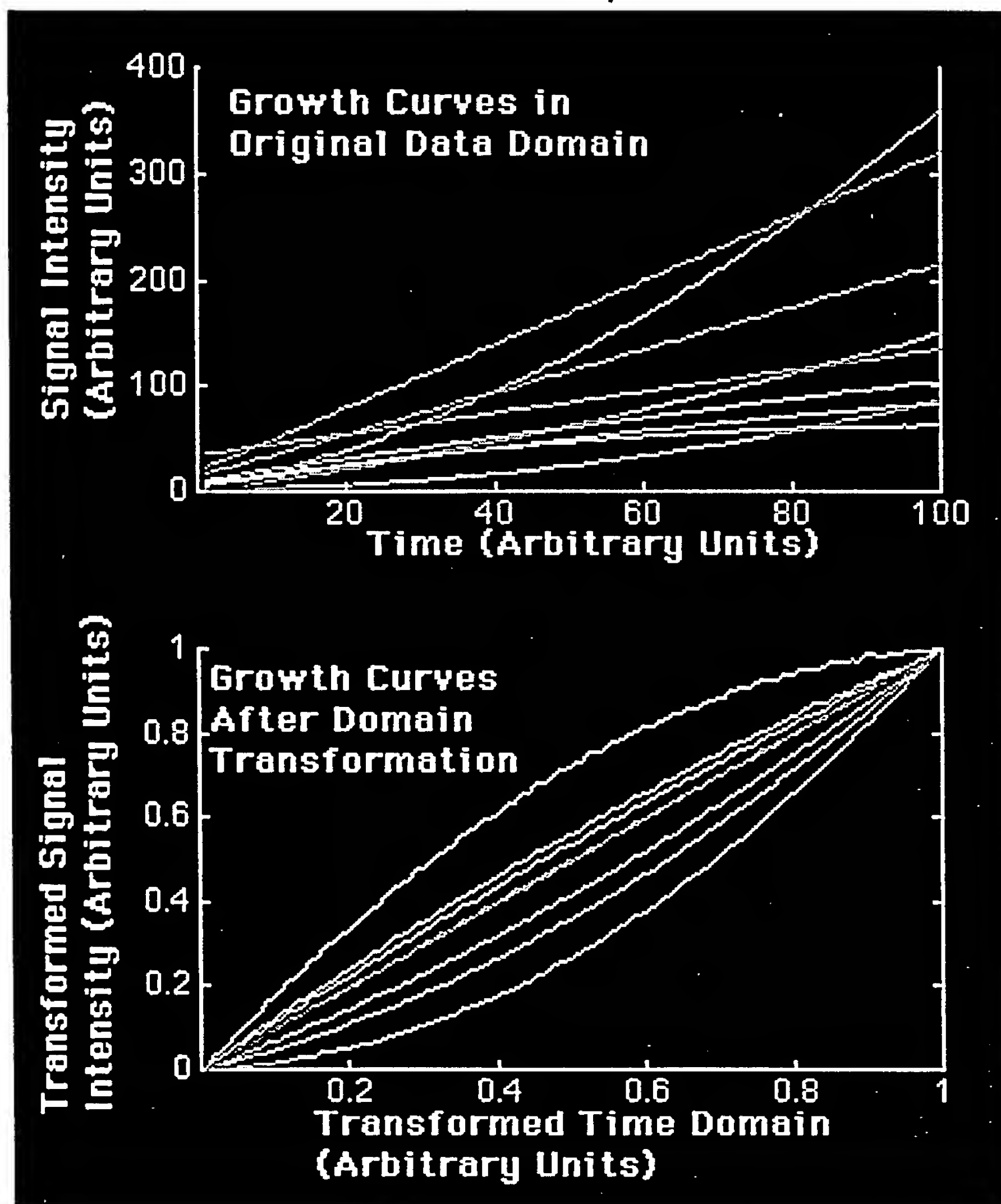
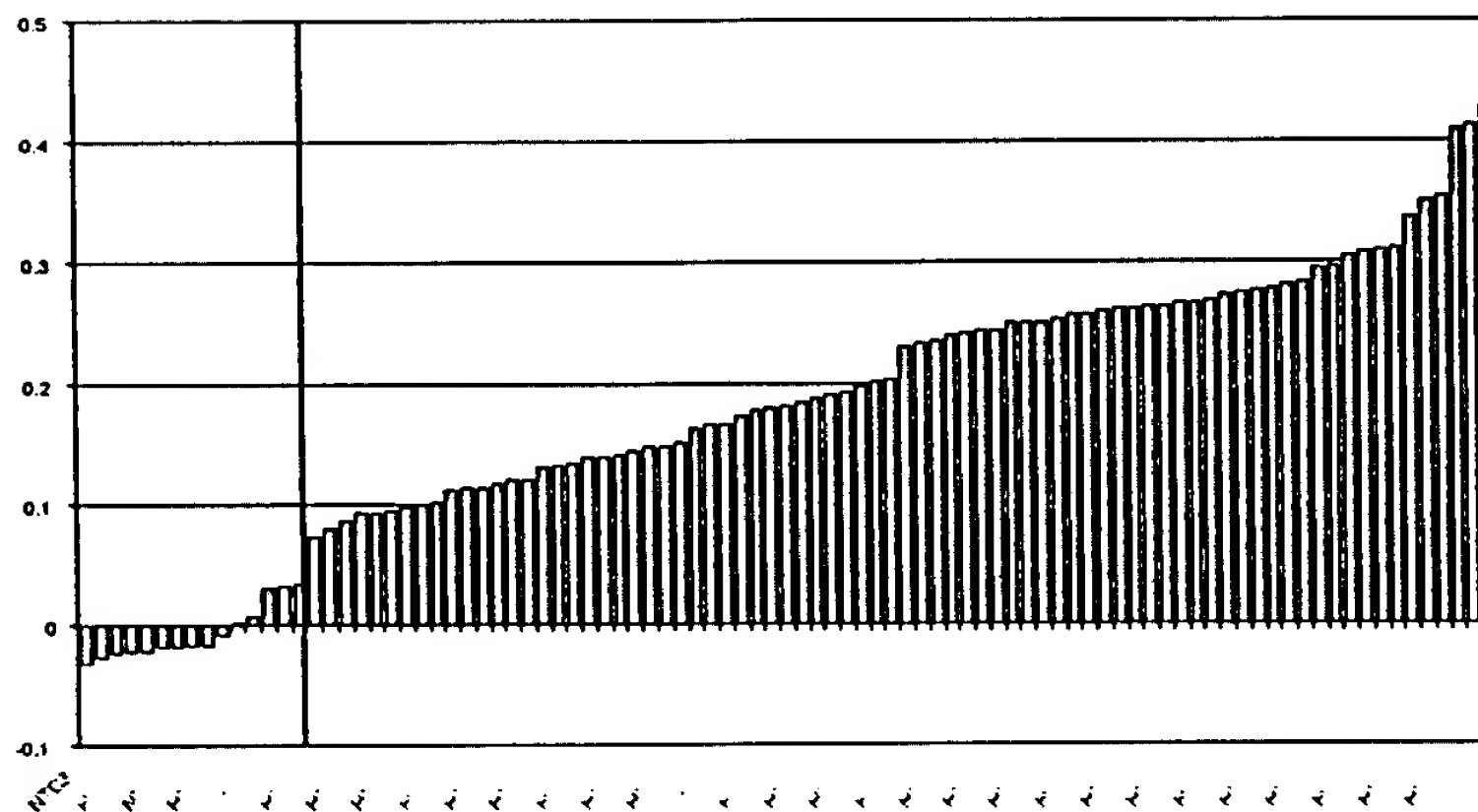


FIG. 6

C Reaction 2p Coefficients



T Reaction 2p Coefficients

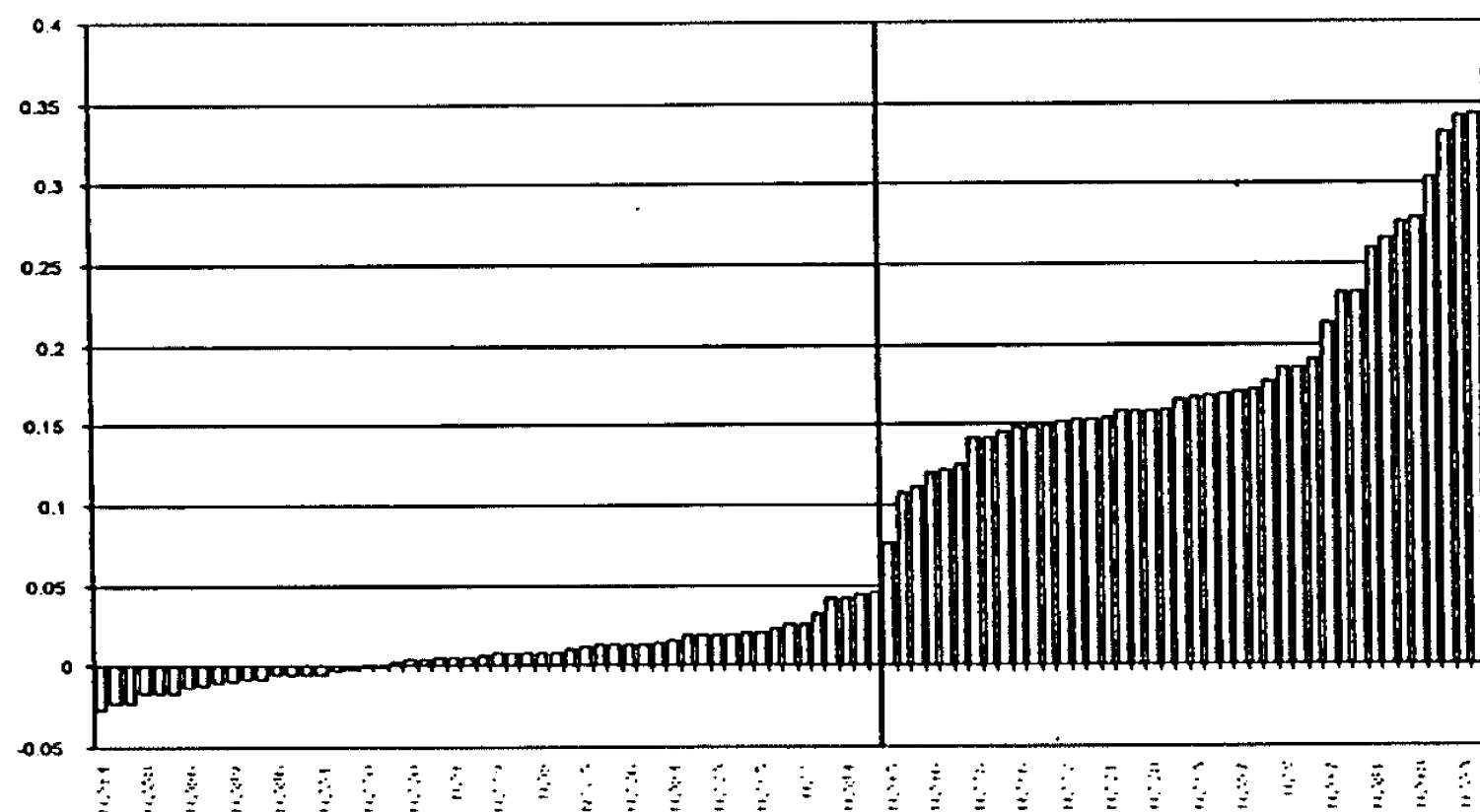


FIG. 7

